

# DEVICE FOR SEPARATING PRINTING PRODUCTS TRANSPORTED IN AN IMBRICATED FORMATION INTO A SUCCESSION OF SPACED PRINTING PRODUCTS

## **Abstract**

5 A device for separating an imbricated formation (2) of continuously conveyed printing products (1) into a succession of spaced printing products (1), comprises a first conveyor (3) driven at a first velocity ( $v_1$ ), a second conveyor (4) arranged after the first conveyor (3) and driven at a second velocity ( $v_2$ ) which is higher in relation to the first velocity, and a de-  
10 imbricating device (5, 6) for accelerating the leading printing product (1) of the imbricated formation (2) to the second velocity ( $v_2$ ) and for maintaining the imbricated arrangement of the following printing products (1) being conveyed in the imbricated formation (2) at the first velocity ( $v_1$ ). The de-imbricating device comprises two suction belt conveyors (5, 6), the first  
15 suction belt conveyor (5) driven at the first velocity ( $v_1$ ), that the second suction belt conveyor (6) is driven at the second velocity ( $v_2$ ). The first suction belt conveyor (5) has a suction field (7) which is displaceable along the feed direction (F) with respect to the format height (H) of the printing products (1) and the second suction belt conveyor (6) has a suction field (8)  
20 which is arranged at the start of the suction belt conveyor (6), as seen in the feed direction (F).

(Fig. 2)

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